

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A process cartridge comprising:

a frame body made up of at least first and second frame bodies that are movable relative to each other to form a space;

a frame body positioning member positioning the first and second frame bodies;

a latent image bearing member, supported by the frame body, and replaceable via the space formed by the first and second frame bodies;

a developing unit supplying a developing agent to the latent image bearing member;

and

a developing position determining member, disposed at a non-overlapping position relative to the frame body positioning member, and positioning the developing unit with respect to the frame body.

Claim 2 (Original): The process cartridge as claimed in claim 1, wherein said developing unit comprises a developing agent bearing member transporting the developing agent, and a magnet group provided inside the developing agent bearing member, and having a predetermined main pole direction; and said developing position determining member comprises a positioning member positioning the latent image bearing member and the developing agent bearing member, and an angular positioning member determining the main pole direction of the magnet group with respect to the latent image bearing member.

Claim 3 (Currently Amended): The process cartridge as claimed in claim 1 ~~or 2~~, further comprising:

a cleaning unit cleaning residual toner on the latent image bearing member; and

a cleaning position determining member, disposed at a non-overlapping position relative to the frame body position determining member and the developing position determining member, and positioning the cleaning unit with respect to the frame body.

Claim 4 (Currently Amended): The process cartridge as claimed in claim 1 ~~or~~ 2, further comprising:

a cleaning unit cleaning residual toner on the latent image bearing member; and
a cleaning position determining member positioning the cleaning unit with respect to the frame body,
said cleaning unit being replaceable via the space formed by the first and second frame bodies.

Claim 5 (Original): The process cartridge as claimed in claim 4, wherein:
said cleaning unit comprises a cleaning blade removing residual toner on at least the latent image bearing member, a bias roller controlling an amount of charge of the residual toner, and a recovery roller recovering toner adhered on the bias roller and the cleaning blade;
said cleaning position determining member comprises a blade positioning member positioning the cleaning blade with respect to the frame body, the bias roller and the recovery roller; and
said cleaning blade, said bias roller and said recovery roller are independently replaceable.

Claim 6 (Currently Amended): The process cartridge as claimed in ~~any of claims 1 to 5~~ claim 1, further comprising:

a charging unit uniformly charging the latent image bearing member,

said charging unit being positioned with respect to the frame body at an non-overlapping position relative to the frame body position determining member, the developing position determining member and the cleaning position determining member.

Claim 7 (Currently Amended): The process cartridge as claimed in ~~any of claims 1 to 6~~ claim 1, wherein at least one of the latent image bearing member, the cleaning unit, the charging unit and the developing unit is replaced after removing the process cartridge from a main body of an image forming apparatus.

Claim 8 (Currently Amended): The process cartridge as claimed in ~~any of claims 1 to 7~~ claim 1, wherein the latent image bearing member is inserted with a driving shaft provided in a main body of an image forming apparatus.

Claim 9 (Original): The process cartridge as claimed in claim 8, wherein the frame body has a hole part for receiving the driving shaft.

Claim 10 (Currently Amended): The process cartridge as claimed in ~~any of claims 1 to 9~~ claim 1, wherein said frame body comprises a discharge unit and a detection unit.

Claim 11 (Original): The process cartridge as claimed in claim 10, wherein said discharge unit comprises an electroluminescence lamp.

Claim 12 (Currently Amended): The process cartridge as claimed in claim 10 ~~or 11~~, wherein said detection unit comprises a potential sensor detecting a potential of the latent image bearing member, a toner density sensor detecting an amount of toner on the latent

image bearing member, and a temperature and humidity sensor detecting a temperature and a humidity within the process cartridge.

Claim 13 (Currently Amended): The process cartridge as claimed in ~~any of claims 1 to 12~~ claim 1, wherein electrical wirings for external connection are connectable via one location of the process cartridge.

Claim 14 (Currently Amended): The process cartridge as claimed in ~~any of claims 1 to 13~~ claim 1, wherein said developing unit uses a toner having an average circularity in a range of 0.93 to 1.00.

Claim 15 (Original): The process cartridge as claimed in claim 14, wherein the toner has a ratio of volume average particle size and a number average particle size in a range of 1.05 to 1.40.

Claim 16 (Currently Amended): The process cartridge as claimed in claim 14 ~~or 15~~, wherein the toner is made up of roughly spherical particles with a ratio r_2/r_1 of a minor axis r_2 and a major axis r_1 in a range of 0.5 to 1.0, a ratio r_3/r_2 of a thickness r_3 and the minor axis r_2 in a range of 0.7 to 1.0, and satisfying a relationship $r_1 \geq r_2 \geq r_3$.

Claim 17 (Currently Amended): The process cartridge as claimed in ~~any of claims 14 to 16~~ claim 14, wherein the toner is made by subjecting a toner material solution to a cross linking reaction and/or an extension reaction within an aqueous medium, where the toner material solution is obtained by dissolving or dispersing, within an organic solvent, at least a

polyester prepolymer having a functional group that includes nitrogen atoms, a polyester, a colorant and a mold releasing agent.

Claim 18 (Currently Amended): The process cartridge as claimed in ~~any of claims 1 to 17~~ claim 1, further comprising:

an accommodating part accommodating the toner or a newly supplied toner.

Claim 19 (Currently Amended): The process cartridge as claimed in ~~any of claims 1 to 18~~ claim 1, which is reusable by receiving a supply of toner.

Claim 20 (Original): The process cartridge as claimed in claim 19, further comprising:

an accommodating part accommodating a supplied toner.

Claim 21 (Currently Amended): An image forming apparatus for visualizing a latent image formed on a latent image bearing member into a toner image, comprising:

at least one detachable process cartridge according to ~~any of claims 1 to 20~~ claim 1,

at least one of the latent image bearing member and the developing unit being replaceable with respect to the process cartridge.

Claim 22 (Original): The image forming apparatus as claimed in claim 21, further comprising:

an accommodating part accommodating a supplied toner.

Claim 23 (Original): A process cartridge comprising:

- a frame body;
- a latent image bearing member supported by the frame body;
- a developing unit supplying a toner to the latent image bearing member;
- a developing position determining member positioning the developing unit with respect to the frame body;
- a cleaning unit cleaning the toner on the latent image bearing member; and
- a cleaning position determining member, disposed at a non-overlapping position relative to the developing position determining member, positioning the cleaning unit with respect to the frame body.

Claim 24 (Original): The process cartridge as claimed in claim 23, wherein:

- said developing unit comprises a developing agent bearing member transporting a developing agent, and a magnet group provided inside the developing agent bearing member and having a predetermined main pole direction; and
- said developing position determining member comprises a positioning member positioning the latent image bearing member and the developing agent bearing member, and an angular positioning member determining the main pole direction of the magnet group with respect to the latent image bearing member.

Claim 25 (Currently Amended): The process cartridge as claimed in claim 23 ~~or~~ 24, wherein said frame body is made up of at least a first frame body and a second frame body that are movable relative to each other to form a space, said latent image bearing member is supported by the frame body and is replaceable via the space formed by the first and second frame bodies, and further comprising:

a frame body positioning member, disposed at a non-overlapping position relative to the developing position determining member, and positioning the first and second frame bodies.

Claim 26 (Original): The process cartridge as claimed in claim 23, wherein said cleaning unit is replaceable by removing the cleaning position determining member after the first and second frame bodies are moved relative to each other to form the space.

Claim 27 (Original): The process cartridge as claimed in claim 26, wherein:
said cleaning unit comprises a cleaning blade removing residual toner on at least the latent image bearing member, a bias roller controlling an amount of charge of the residual toner, and a recovery roller recovering toner adhered on the bias roller and the cleaning blade;
said cleaning position determining member comprises a blade positioning member positioning the cleaning blade with respect to the frame body, the bias roller and the recovery roller; and
said cleaning blade, said bias roller and said recovery roller are independently replaceable.

Claim 28 (Currently Amended): The process cartridge as claimed in ~~any of claims 25 to 27~~ claim 25, further comprising:

a charging unit uniformly charging the latent image bearing member,
said charging unit being positioned with respect to the frame body at a non-overlapping position relative to the frame body position determining member, the developing position determining member and the cleaning position determining member.

Claim 29 (Currently Amended): An image forming apparatus for visualizing a latent image formed on a latent image bearing member into a toner image, comprising:

at least one detachable process cartridge according to ~~any of claims 23 to 28~~ claim 23,

at least one of the latent image bearing member, the developing unit and the cleaning unit being replaceable with respect to the process cartridge.

Claim 30 (Original): The image forming apparatus as claimed in claim 29, further comprising:

an accommodating part accommodating a supplied toner.

Claim 31 (Original): A process cartridge configured to be detachable with respect to an image forming apparatus, comprising:

a latent image bearing member; and

at least three process units provided integrally with the latent image bearing member,

each of the latent image bearing member and the process units being independently replaceable.

Claim 32 (Original): The process cartridge as claimed in claim 31, wherein the three process units include a cleaning unit, a developing unit and a charging unit.

Claim 33 (Original): A process cartridge configured to be detachable with respect to an image forming apparatus, comprising:

a frame body;

a latent image bearing member supported by the frame body; and

at least one process unit provided integrally with the latent image bearing member and supported by the frame body,

the latent image bearing member and the at least one process unit being independently replaceable.

Claim 34 (Original): The process cartridge as claimed in claim 33, wherein the latent image bearing member and the at least one process unit are replaceable without requiring other process units to be removed.

Claim 35 (Currently Amended): The process cartridge as claimed in claim 33 ~~or 33~~, wherein the latent image bearing member and the at least one process unit is replaced after removing the process cartridge from the image forming apparatus.

Claim 36 (Currently Amended): The process cartridge as claimed in ~~any of claims 33 to 35~~ claim 33, wherein the latent image bearing member is removable from the frame body without requiring the at least one process unit to be removed from the frame body.

Claim 37 (Currently Amended): The process cartridge as claimed in ~~any of claims 33 to 36~~ claim 33, comprising:

a cleaning unit forming one process unit,

wherein the latent image bearing member is removed from the frame body after rotating the cleaning unit.

Claim 38 (Original): The process cartridge as claimed in claim 37, further comprising:

a cleaning position determining member positioning the cleaning unit with respect to the frame body.

Claim 39 (Currently Amended): The process cartridge as claimed in claim 37 ~~or 38~~, wherein said cleaning unit comprises a coating mechanism including a coating roller and a lubricant body, said coating mechanism coating a lubricant on the latent image bearing member.

Claim 40 (Original): The process cartridge as claimed in claim 39, wherein said cleaning unit comprises a cleaning blade, and said lubricant body is replaceable.

Claim 41 (Currently Amended): The process cartridge as claimed in ~~any of claims 33 to 40~~ claim 33, further comprising:

a charging unit forming one process unit,

wherein said frame body includes a recess that receives the charging unit.

Claim 42 (Currently Amended): The process cartridge as claimed in ~~any of claims 33 to 41~~ claim 33, further comprising:

a developing unit; and

a developing positioning member positioning the developing unit with respect to the frame body.

Claim 43 (Original): The process cartridge as claimed in claim 42, wherein said developing position determining member positions a developing reference shaft of the developing unit with respect to a hole in the frame body forming a bearing.

Claim 44 (Currently Amended): The process cartridge as claimed in ~~any of claims 33 to 43~~ claim 33, wherein said latent image bearing member receives a driving shaft of the image forming apparatus when the process cartridge is loaded into the image forming apparatus.

Claim 45 (Original): The process cartridge as claimed in claim 44, wherein said frame body includes a hole forming a bearing and receiving the driving shaft of the image forming apparatus.

Claim 46 (Currently Amended): The process cartridge as claimed in ~~any of claims 33 to 45~~ claim 33, further comprising:

a discharge unit provided on the frame body; and

a detection unit provided on the frame body.

Claim 47 (Original): The process cartridge as claimed in claim 46, wherein said detection unit comprises a potential sensor detecting a potential of the latent image bearing member, a toner density sensor detecting an amount of toner on the latent image bearing member, and a temperature and humidity sensor detecting a temperature and a humidity within the process cartridge.

Claim 48 (Currently Amended): The process cartridge as claimed in ~~any of claims 33 to 47~~ claim 33, further comprising:

an accommodating part accommodating the toner or a newly supplied toner.

Claim 49 (Currently Amended): The process cartridge as claimed in ~~any of claims 33 to 47~~ claim 33, which is reusable by receiving a supply of toner.

Claim 50 (Original): The process cartridge as claimed in claim 49, further comprising:

an accommodating part accommodating a supplied toner.

Claim 51 (Currently Amended): An image forming apparatus for visualizing a latent image formed on a latent image bearing member into a toner image, comprising:

at least one detachable process cartridge according to ~~any of claims 33 to 50~~ claim 33,

at least one of the latent image bearing member, the developing unit and the cleaning unit being replaceable with respect to the process cartridge.

Claim 52 (Original): The image forming apparatus as claimed in claim 51, further comprising:

an accommodating part accommodating a supplied toner.